

**WHAT IS CLAIMED IS:**

1. A schedule transmission method in a mobile terminal having a short message service (SMS) function and a schedule function, the method  
5 comprising the steps of:

(a) determining whether a schedule transmission input for transmitting a schedule recorded in the mobile terminal to another mobile terminal is selected by a user; and

(b) if the schedule transmission input is selected, converting a data  
10 format of the schedule into a data format of a schedule-recordable SMS message and transmitting the schedule-recordable SMS message to said another mobile terminal.

2. The schedule transmission method of claim 1, wherein the step  
15 (b) comprises the step of repeatedly transmitting the converted SMS message to a plurality of other mobile terminals in transmitting the schedule-recordable SMS message to the other mobile terminals.

3. The schedule transmission method of claim 1, wherein the data  
20 format of the SMS message obtained by converting the data format of the schedule comprises at least one or two or more parameters indicating an identifier for distinguishing whether a corresponding message is a common SMS message or a schedule-recordable message, the number of recipients to which the schedule is to be transmitted, a length of the schedule contents, alert date and  
25 time information of the schedule to be recorded, use of an alert tone for the schedule, and a type of the alert tone.

4. A schedule recording method in a mobile terminal having a short message service (SMS) message reception function and a schedule function, the  
30 method comprising the steps of:

upon receiving an SMS message, determining whether the received SMS message is a common SMS message or a schedule-recordable message;

if the received SMS message is a schedule-recordable message, determining whether a schedule recording key is input; and

- 5 if the schedule recording key is input, converting a data format of the received SMS message into a format of data recordable in a scheduler, and recording the converted data in the scheduler.

5. A schedule transmission method in a mobile terminal,  
10 comprising the steps of:

(a) if a schedule message transmission input for schedule recording to other mobile terminals is selected by a user, transmitting the schedule message to the other mobile terminals; and

(b) upon receiving the schedule message, recording schedule information  
15 of the received schedule message as a schedule if a schedule recording input is selected by the user.

6. The schedule transmission method of claim 5, wherein the schedule message is transmitted using an SMS service.  
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7. The schedule transmission method of claim 5, wherein the schedule message is transmitted using an E-mail over the Internet.

8. The schedule transmission method of claim 5, wherein the step  
25 (a) comprises the steps of:

determining whether a schedule transmission input for transmitting a schedule recorded in the mobile terminal to the other mobile terminals is selected by the user; and

if the schedule transmission input is selected, converting a data format of  
30 the schedule into a data format of a schedule-recordable SMS message, and

transmitting the schedule-recordable SMS message to the other mobile terminals.

9. The schedule transmission method of claim 8, wherein the data format of the SMS message obtained by converting the data format of the  
5 schedule comprises at least one or two or more parameters indicating an identifier for distinguishing whether a corresponding message is a common SMS message or a schedule-recordable message, the number of recipients to which the schedule is to be transmitted, a length of the schedule contents, alert date and time information of the schedule to be recorded, use of an alert tone for the  
10 schedule, and a type of the alert tone.

10. The schedule transmission method of claim 8, wherein the data format of the SMS message obtained by converting the data format of the schedule includes at least one or two or more tags indicating a schedule subject, a  
15 date, a time, contents, a schedule lasting time, a phone number of the other party.

11. The schedule transmission method of claim 5, wherein the step (a) comprises the steps of:

determining whether a schedule transmission input for transmitting an  
20 SMS message containing schedule information and alert information to another mobile terminal is selected by the user; and

if the schedule transmission input is selected, converting a data format of the SMS message into a data format of a schedule-recordable SMS message, and transmitting the schedule-recordable SMS message to said another mobile  
25 terminal.

12. The schedule transmission method of claim 11, wherein the step of converting a data format of the SMS message into a data format of the schedule-recordable SMS message comprises the step of dividing a data field of  
30 an SMS message into at least one or two or more of a subparameter ID

(identifier), a subparameter length, an alert mode, an alert time\_year, an alert time\_month, an alert time\_date, an alert time\_hours, an alert time\_minutes, and an alert time\_seconds according to a corresponding schedule, so as to enable another mobile terminal to be able to record the SMS message as a schedule.

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13. The schedule transmission method of claim 5, wherein the step (b) comprises the steps of:

upon receiving an SMS message, if the received SMS message is a schedule-recordable message, determining whether a schedule recording key is  
10 input; and

if the schedule recording key is input, converting a data format of the received SMS message into a format of a data recordable in a scheduler and recording the converted data in the scheduler.

15 14. The schedule transmission method of claim 5, wherein the step (b) comprises the steps of:

upon receiving an SMS message, if the received SMS message is a schedule-recordable message, determining whether a schedule recording key is  
input; and

20 if the schedule recording key is input, recording a schedule including alert information of the received SMS message.

15 15. The schedule transmission method of claim 14, wherein the step of recording a schedule containing alert information of the received SMS  
25 message comprises the steps of:

analyzing the schedule contents, the alert mode, and the alert time by consulting data on a data field of the received SMS message; and

recording the analyzed schedule contents, alert mode and alert time in the scheduler.

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16. The schedule transmission method of claim 14, wherein the step of recording a schedule containing alert information of the received SMS message comprises the steps of:

checking a schedule by analyzing a preset tagged text for schedule  
5 recording in the received SMS message; and  
recording the checked schedule.

17. The schedule transmission method of claim 5, further comprising the step of recording the received schedule message in a scheduler and then  
10 displaying the recorded schedule on an external window if an input for displaying the recorded schedule on the external window is selected by the user.

18. The schedule transmission method of claim 17, wherein the step of displaying the recorded schedule on an external window comprises the step of  
15 comparing a lasting time of the recorded schedule with a current time, displaying a corresponding schedule on the external window if a date and a time are identical to the current time, and avoiding displaying the corresponding schedule if the time and the lasting time have elapsed.